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Patent  
Attorney's Docket No. 007413-060

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Wilfried Clauss

Application No.: 10/631,900

Filed: August 1, 2003

For: PARTICLE-OPTICAL APPARATUS  
AND METHOD FOR OPERATING THE  
SAME

) MS PG PUB  
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) Group Art Unit: 2881  
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) Examiner: PHILLIP A JOHNSTON  
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) Confirmation No.: 9807  
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**REQUEST FOR CORRECTED/REVISED PATENT APPLICATION  
PUBLICATION UNDER 37 C.F.R. §1.221(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Correction of the following material error(s) in Patent Application Publication No. US  
2004/0061067 A1, corresponding to the above-identified patent application, is/are  
respectfully requested as follows:

**IN THE ASSIGNEE SECTION:**

In Item (73), please change "Elecktronenmikroskopie" to --Elektronenmikroskopie--.



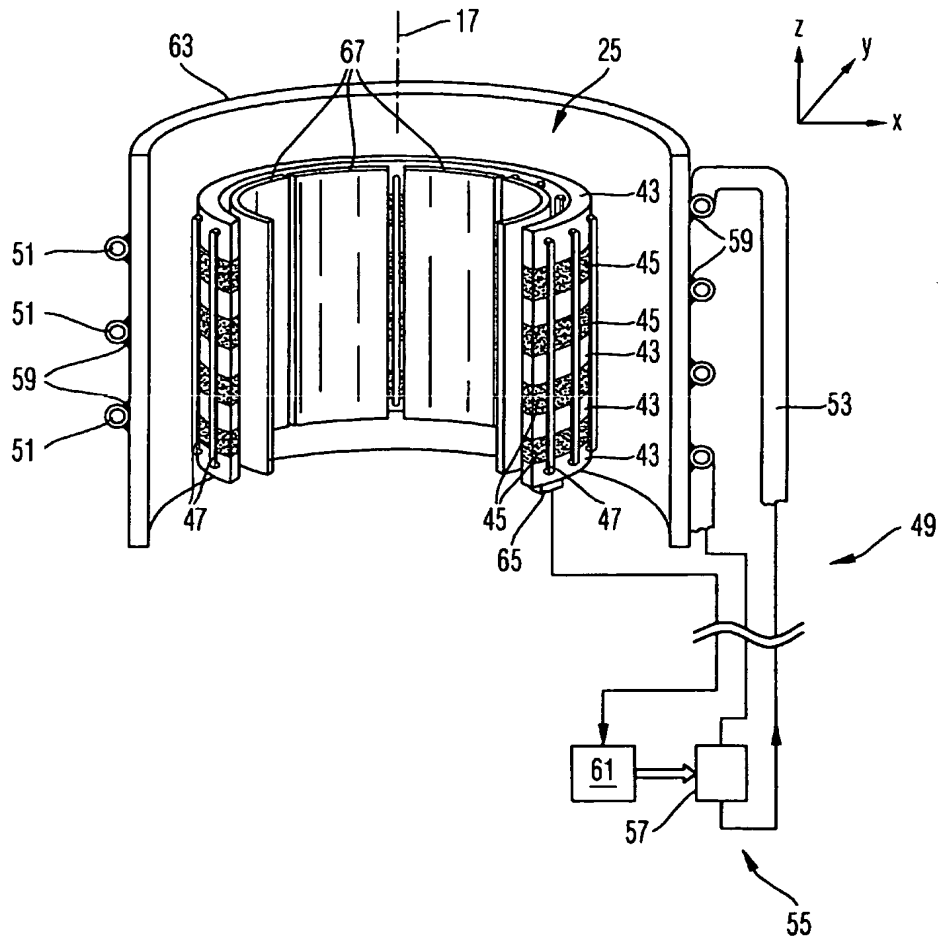
US 20040061067A1

(19) **United States**(12) **Patent Application Publication**  
**Clauss**(10) **Pub. No.: US 2004/0061067 A1**(43) **Pub. Date: Apr. 1, 2004**(54) **PARTICLE-OPTICAL APPARATUS AND  
METHOD FOR OPERATING THE SAME****Publication Classification**(51) **Int. Cl.<sup>7</sup> ..... H01J 37/141**(52) **U.S. Cl. .... 250/396 ML; 335/210; 335/217**(75) **Inventor: Wilfried Clauss, Oberkochen (DE)**(57) **ABSTRACT**

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**ALEXANDRIA, VA 22313-1404 (US)***Elektronenmikroskopie*(73) **Assignee: LEO Elektronenmikroskopie GmbH,**  
**Oberkochen (DE)**(21) **Appl. No.: 10/631,900**(22) **Filed: Aug. 1, 2003**(30) **Foreign Application Priority Data****Aug. 2, 2002 (DE)..... 102 35 455.3**

A particle-optical apparatus is proposed as well as a method for operating the same. The particle-optical apparatus provides a magnetic field for deflecting charged particles of a beam of charged particles and comprises a body of a material with a permeability number around which a current conductor at least partially engages and a temperature-adjusting unit -for adjusting a temperature of the magnetic-flux-carrying body substantially to a nominal temperature. A relative variation of the permeability number relative to a width of a temperature range is to be smaller than a limit value  $a$ , wherein  $a$  is preferably smaller than  $3 \cdot 10^{-3} \text{K}^{-1}$ . In particular, the nominal temperature is at an extremum of a temperature dependence of the permeability number. Preferably, such a particle-optical apparatus can be employed in a microscopy or a lithography apparatus.



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C.F.R. 1.221(B)

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**REMARKS**

Applicants respectfully request a corrected publication of this application to correct a misspelling in the Assignee name. The request is being timely submitted within two (2) months of the publication date of April 1, 2004. A copy of the first page of the published application, marked-up in red showing the subject matter to be corrected, is attached.

In support of the Request, Applicants are including a copy of the "Submission of Supplemental Application Data Sheet" and "Supplemental Application Data Sheet" filed on September 2, 2003, which requested updating of the U.S. Patent and Trademark Office (PTO) records to reflect the correct spelling of the Assignee name, these documents being filed in the PTO approximately seven months prior to the publication date. As such, it is believed that the material error in the publication was the result of PTO processing. Accordingly, Applicants respectfully request the corrected publication be published at an early date.

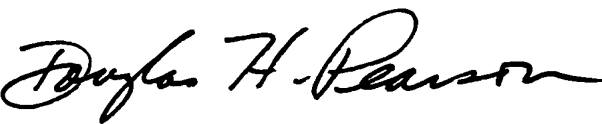
Although it is believed that no accompanying fee is required, the Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: May 28, 2004

By: \_\_\_\_\_



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